

# TEST REPORT (WIFI)

**Applicant:** Quanzhou SKYDROID Technology Co., Ltd.

**Address of Applicant:** 2nd Floor, Building A, Yucheng Base, Fengze District, Quanzhou City, Fujian Province, China

**Manufacturer/Factory:** Quanzhou SKYDROID Technology Co., Ltd.

**Address of Manufacturer/Factory:** 2nd Floor, Building A, Yucheng Base, Fengze District, Quanzhou City, Fujian Province, China

**Equipment Under Test (EUT)**

Product Name: H16 remote control

Model No.: H16, H16PRO

Trade Mark: SKYDROID

**Applicable standards:** ETSI EN 300 328 V2.2.2 (2019-07)

**Date of sample receipt:** October 21, 2020

**Date of Test:** October 22, 2020-November 03, 2020

**Date of report issue:** November 04, 2020

**Test Result :** PASS \*

\* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The protection requirements with respect to electromagnetic compatibility contained in Directive 2014/53/EU are considered.



Robinson Lo

Laboratory Manager

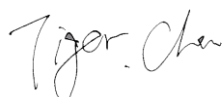
This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.



## 2 Version

| Version No. | Date              | Description |
|-------------|-------------------|-------------|
| 00          | November 04, 2020 | Original    |
|             |                   |             |
|             |                   |             |
|             |                   |             |

**Prepared By:**

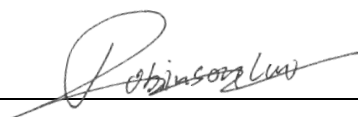


**Date:**

November 04, 2020

**Project Engineer**

**Check By:**



**Date:**

November 04, 2020

**Reviewer**

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## 4 Test Summary

| Radio Spectrum Matter (RSM) Part of Tx                |                  |                    |                                                              |             |        |
|-------------------------------------------------------|------------------|--------------------|--------------------------------------------------------------|-------------|--------|
| Test                                                  | Test Requirement | Test method        | Limit/Severity                                               | Uncertainty | Result |
| RF Output Power                                       | Clause 4.3.2.2   | Clause 5.4.2.2     | 20dBm                                                        | ±1.5dB      | PASS   |
| Power Spectral Density                                | Clause 4.3.2.3   | Clause 5.4.3.2     | 10dBm/MHz                                                    | ±3dB        | PASS   |
| Duty Cycle, Tx-sequence, Tx-gap                       | Clause 4.3.2.4   | Clause 5.4.2.2.1.3 | Clause 4.3.2.4.3                                             | ±5 %        | N/A    |
| Medium Utilisation (MU) factor                        | Clause 4.3.2.5   | Clause 5.4.2.2.1.4 | ≤ 10%                                                        | ±5 %        | N/A    |
| Adaptivity                                            | Clause 4.3.2.6   | Clause 5.4.6.2     | Clause 4.3.2.6.2.2 & Clause 4.3.2.6.3.2 & Clause 4.3.2.6.4.2 | --          | PASS   |
| Occupied Channel Bandwidth                            | Clause 4.3.2.7   | Clause 5.4.7.2     | Clause 4.3.2.7.3                                             | ±5 %        | PASS   |
| Transmitter unwanted emissions in the OOB domain      | Clause 4.3.2.8   | Clause 5.4.8.2     | Clause 4.3.2.8.3                                             | ±3dB        | PASS   |
| Transmitter unwanted emissions in the spurious domain | Clause 4.3.2.9   | Clause 5.4.9.2     | Clause 4.3.2.9.3                                             | ±6dB        | PASS   |
| Radio Spectrum Matter (RSM) Part of Rx                |                  |                    |                                                              |             |        |
| Receiver spurious emissions                           | Clause 4.3.2.10  | Clause 5.4.10.2    | Clause 4.3.2.10.3                                            | ±6dB        | PASS   |
| Receiver Blocking                                     | Clause 4.3.2.11  | Clause 5.4.11.2    | Clause 4.3.2.11.4                                            | --          | PASS   |
| Geo-location capability                               | Clause 4.3.2.12  | --                 | --                                                           | --          | N/A    |

### Remark:

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

Temperature (Uncertainty): ±1°C Humidity(Uncertainty): ±5%

Uncertainty: ± 3%(for DC and low frequency voltages)

## 5 General Information

### 5.1 General Description of EUT

|                                                                                                                                                                      |                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:                                                                                                                                                        | H16 remote control                                                                                                                        |
| Model No.:                                                                                                                                                           | H16, H16PRO                                                                                                                               |
| Test Model No.:                                                                                                                                                      | H16                                                                                                                                       |
| Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The only difference is model name for commercial purpose. |                                                                                                                                           |
| Operation Frequency:                                                                                                                                                 | 2412MHz~2472MHz(802.11b/802.11g/802.11n(HT20))                                                                                            |
| Channel Separation:                                                                                                                                                  | 13 for 802.11b/802.11g/802.11n(HT20)                                                                                                      |
| Channel separation:                                                                                                                                                  | 5MHz                                                                                                                                      |
| Modulation Technology:                                                                                                                                               | 802.11b: DSSS<br>802.11g/802.11n: OFDM                                                                                                    |
| Antenna Type:                                                                                                                                                        | Integral Antenna                                                                                                                          |
| Antenna Gain:                                                                                                                                                        | 0dBi                                                                                                                                      |
| Power Supply:                                                                                                                                                        | ADAPTOR<br>MODEL:KXS-012<br>INPUT: 110V-240V~50/60Hz 0.5A max<br>OUTPUT: 3.6V-6V 3A or 6V-9V 32A or 9V-12V 31.5A<br>Or<br>DC 3.7V Battery |

| WIFI Operation Frequency each of channel |           |         |           |         |           |         |           |
|------------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                                  | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1                                        | 2412MHz   | 5       | 2432MHz   | 9       | 2452MHz   | 13      | 2472MHz   |
| 2                                        | 2417MHz   | 6       | 2437MHz   | 10      | 2457MHz   |         |           |
| 3                                        | 2422MHz   | 7       | 2442MHz   | 11      | 2462MHz   |         |           |
| 4                                        | 2427MHz   | 8       | 2447MHz   | 12      | 2467MHz   |         |           |

The EUT operation in above frequency list, and used test software to control the EUT for staying in continuous transmitting and receiving mode. So test frequency is below:

| Test channel    | Frequency (MHz)               |  |
|-----------------|-------------------------------|--|
|                 | 802.11b/802.11g/802.11n(HT20) |  |
| Lowest channel  | 2412MHz                       |  |
| Middle channel  | 2442MHz                       |  |
| Highest channel | 2472MHz                       |  |

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

| Mode      | 802.11b | 802.11g | 802.11n(HT20) |  |
|-----------|---------|---------|---------------|--|
| Data rate | 1Mbps   | 6Mbps   | 6.5Mbps       |  |

## 5.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC —Registration No.: 381383**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

- **IC —Registration No.: 9079A**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0.

## 5.3 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123- 128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

## 5.4 Description of Support Units

The EUT has been tested as an independent unit.

## 5.5 Deviation from Standards

None.

## 5.6 Abnormalities from Standard Conditions

None.

## 5.7 Other Information Requested by the Customer

None.

## 6 Test Instruments List

| Radiated Emission: |                                     |                                |                             |               |                     |                         |
|--------------------|-------------------------------------|--------------------------------|-----------------------------|---------------|---------------------|-------------------------|
| Item               | Test Equipment                      | Manufacturer                   | Model No.                   | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                  | 3m Semi- Anechoic Chamber           | ZhongYu Electron               | 9.2(L)*6.2(W)* 6.4(H)       | GTS250        | July. 02 2020       | July. 01 2025           |
| 2                  | Control Room                        | ZhongYu Electron               | 6.2(L)*2.5(W)* 2.4(H)       | GTS251        | N/A                 | N/A                     |
| 3                  | EMI Test Receiver                   | Rohde & Schwarz                | ESU26                       | GTS203        | June. 25 2020       | June. 24 2021           |
| 4                  | BiConiLog Antenna                   | SCHWARZBECK<br>MESS-ELEKTRONIK | VULB9163                    | GTS214        | June. 25 2020       | June. 24 2021           |
| 5                  | Double -ridged waveguide horn       | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA 9120 D                 | GTS208        | June. 25 2020       | June. 24 2021           |
| 6                  | Horn Antenna                        | ETS-LINDGREN                   | 3160                        | GTS217        | June. 25 2020       | June. 24 2021           |
| 7                  | EMI Test Software                   | AUDIX                          | E3                          | N/A           | N/A                 | N/A                     |
| 8                  | Coaxial Cable                       | GTS                            | N/A                         | GTS213        | June. 25 2020       | June. 24 2021           |
| 9                  | Coaxial Cable                       | GTS                            | N/A                         | GTS211        | June. 25 2020       | June. 24 2021           |
| 10                 | Coaxial cable                       | GTS                            | N/A                         | GTS210        | June. 25 2020       | June. 24 2021           |
| 11                 | Coaxial Cable                       | GTS                            | N/A                         | GTS212        | June. 25 2020       | June. 24 2021           |
| 12                 | Amplifier(100kHz-3GHz)              | HP                             | 8347A                       | GTS204        | June. 25 2020       | June. 24 2021           |
| 13                 | Amplifier(2GHz-20GHz)               | HP                             | 84722A                      | GTS206        | June. 25 2020       | June. 24 2021           |
| 14                 | Amplifier (18-26GHz)                | Rohde & Schwarz                | AFS33-18002<br>650-30-8P-44 | GTS218        | June. 25 2020       | June. 24 2021           |
| 15                 | Band filter                         | Amindeon                       | 82346                       | GTS219        | June. 25 2020       | June. 24 2021           |
| 16                 | Power Meter                         | Anritsu                        | ML2495A                     | GTS540        | June. 25 2020       | June. 24 2021           |
| 17                 | Power Sensor                        | Anritsu                        | MA2411B                     | GTS541        | June. 25 2020       | June. 24 2021           |
| 18                 | Wideband Radio Communication Tester | Rohde & Schwarz                | CMW500                      | GTS575        | June. 25 2020       | June. 24 2021           |
| 19                 | Splitter                            | Agilent                        | 11636B                      | GTS237        | June. 25 2020       | June. 24 2021           |
| 20                 | Loop Antenna                        | ZHINAN                         | ZN30900A                    | GTS534        | June. 25 2020       | June. 24 2021           |
| 21                 | Breitband hornantenne               | SCHWARZBECK                    | BBHA 9170                   | GTS579        | Oct. 18 2020        | Oct. 17 2021            |
| 22                 | Amplifier                           | TDK                            | PA-02-02                    | GTS574        | Oct. 18 2020        | Oct. 17 2021            |
| 23                 | Amplifier                           | TDK                            | PA-02-03                    | GTS576        | Oct. 18 2020        | Oct. 17 2021            |
| 24                 | PSA Series Spectrum Analyzer        | Rohde & Schwarz                | FSP                         | GTS578        | June. 25 2020       | June. 24 2021           |

| RF Conducted Test: |                                                |              |                  |            |                        |                            |
|--------------------|------------------------------------------------|--------------|------------------|------------|------------------------|----------------------------|
| Item               | Test Equipment                                 | Manufacturer | Model No.        | Serial No. | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |
| 1                  | MXA Signal Analyzer                            | Agilent      | N9020A           | GTS566     | June. 25 2020          | June. 24 2021              |
| 2                  | EMI Test Receiver                              | R&S          | ESCI 7           | GTS552     | June. 25 2020          | June. 24 2021              |
| 3                  | Spectrum Analyzer                              | Agilent      | E4440A           | GTS533     | June. 25 2020          | June. 24 2021              |
| 4                  | MXG vector Signal Generator                    | Agilent      | N5182A           | GTS567     | June. 25 2020          | June. 24 2021              |
| 5                  | ESG Analog Signal Generator                    | Agilent      | E4428C           | GTS568     | June. 25 2020          | June. 24 2021              |
| 6                  | USB RF Power Sensor                            | DARE         | RPR3006W         | GTS569     | June. 25 2020          | June. 24 2021              |
| 7                  | RF Switch Box                                  | Shongyi      | RFSW3003328      | GTS571     | June. 25 2020          | June. 24 2021              |
| 8                  | Programmable Constant Temp & Humi Test Chamber | WEWON        | WHTH-150L-40-880 | GTS572     | June. 25 2020          | June. 24 2021              |

| General used equipment: |                                 |              |           |               |                        |                            |
|-------------------------|---------------------------------|--------------|-----------|---------------|------------------------|----------------------------|
| Item                    | Test Equipment                  | Manufacturer | Model No. | Inventory No. | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |
| 1                       | Humidity/ Temperature Indicator | KTJ          | TA328     | GTS243        | June. 25 2020          | June. 24 2021              |
| 2                       | Barometer                       | ChangChun    | DYM3      | GTS255        | June. 25 2020          | June. 24 2021              |

## 7 Radio Technical Specification in ETSI EN 300 328

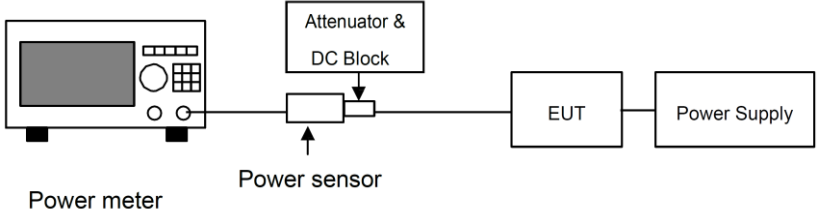
### 7.1 Test Environment and Mode

| Test mode:             |                  |                                                    |     |
|------------------------|------------------|----------------------------------------------------|-----|
| Transmitting mode:     |                  | Keep the EUT in transmitting mode with modulation. |     |
| Receiving mode         |                  | Keep the EUT in receiving mode.                    |     |
| Operating Environment: |                  |                                                    |     |
| Item                   | Normal condition | Extreme condition                                  |     |
|                        |                  | HT                                                 | LT  |
| Temperature            | +15°C to + 35°C  | +40°C                                              | 0°C |
| Humidity               | 20%-95%          |                                                    |     |
| Atmospheric Pressure:  | 1008 mbar        |                                                    |     |

| Setting                        | Value   |
|--------------------------------|---------|
| Modulation                     | Other   |
| Adaptive                       | Yes     |
| Antenna Gain                   | 0dBi    |
| Nominal Channel Bandwidth      | 20MHz   |
| DUT Frequency not configurable | No      |
| Frequency Low                  | 2412MHz |
| Frequency Mid                  | 2442MHz |
| Frequency High                 | 2472MHz |

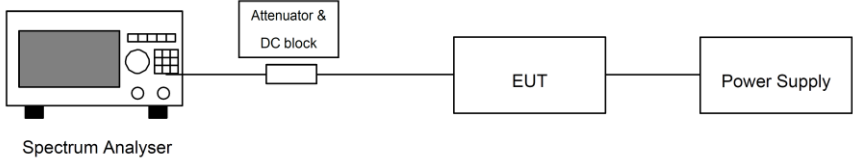
## 7.2 Transmitter Requirement

### 7.2.1 RF Output Power

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Test Requirement:   | ETSI EN 300 328 clause 4.3.2.2                                                     |
| Test Method:        | ETSI EN 300 328 clause 5.4.2.2.1.2                                                 |
| Limit:              | 20dBm                                                                              |
| Test setup:         |  |
| Measurement Record: | Uncertainty: 0.65dB                                                                |
| Test Instruments:   | See section 6.0                                                                    |
| Test mode:          | Transmitting mode                                                                  |

**Measurement Data:** The detailed test data see Appendix for WIFI 2.4G

### 7.2.2 Power Spectral Density

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Test Requirement:   | ETSI EN 300 328 clause 4.3.2.3                                                       |
| Test Method:        | ETSI EN 300 328 clause 5.4.3.2.1                                                     |
| Limit:              | 10dBm/MHz                                                                            |
| Test setup:         |  |
| Measurement Record: | Uncertainty: 1.31dB                                                                  |
| Test Instruments:   | See section 6.0                                                                      |
| Test mode:          | Transmitting mode                                                                    |

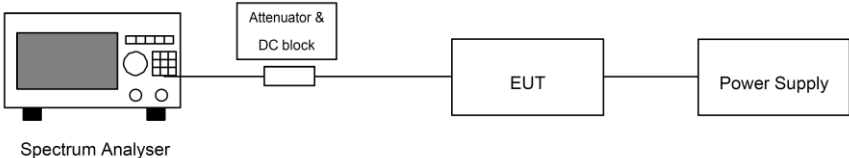
**Measurement Data:** The detailed test data see Appendix for WIFI 2.4G

## 7.2.3 Adaptivity

|                     |                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:   | ETSI EN 300 328 clause 4.3.2.6                                                                                                                                                                                                                                                                                                                        |
| Test Method:        | ETSI EN 300 328 clause 5.3.7.2.1                                                                                                                                                                                                                                                                                                                      |
| Limit:              | Clause 4.3.2.6.2.2 & Clause 4.3.2.6.3.2 & Clause 4.3.2.6.4.2                                                                                                                                                                                                                                                                                          |
| Test setup:         | <pre> graph LR     UUT[UUT] &lt;--&gt; SC1[Splitter/Combiner]     SC1 --&gt; SA[Spectrum Analyzer]     SC1 --&gt; DC[Direct Coupler]     DC &lt;--&gt; ATT[ATT.]     ATT &lt;--&gt; CD[Companion Device]     SG1[Signal Generator Interferer] --&gt; SC2[Splitter/Combiner]     SG2[Signal Generator Blocker] --&gt; SC2     SC2 --&gt; DC     </pre> |
| Measurement Record: | Uncertainty: N/A                                                                                                                                                                                                                                                                                                                                      |
| Test Instruments:   | See section 6.0                                                                                                                                                                                                                                                                                                                                       |
| Test mode:          | Normal link mode                                                                                                                                                                                                                                                                                                                                      |

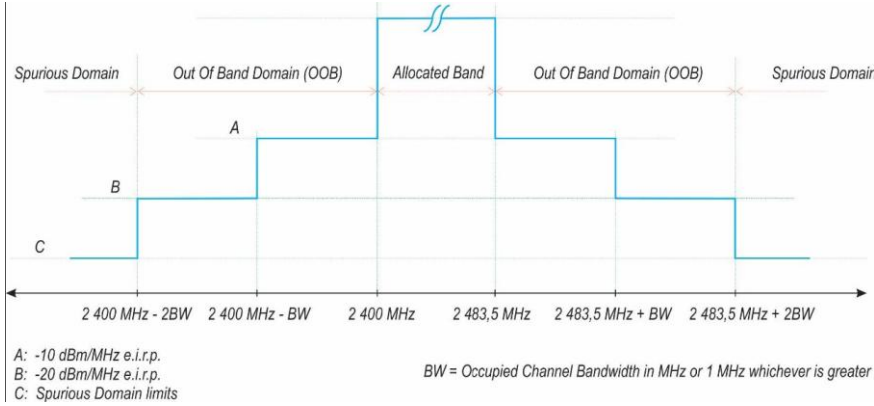
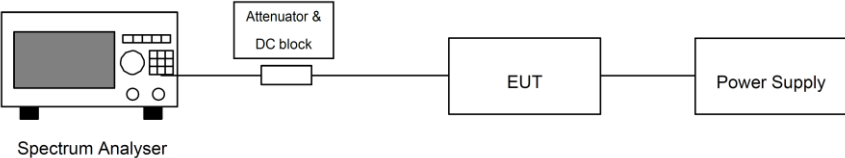
**Measurement Data:** The detailed test data see Appendix for WIFI 2.4G

## 7.2.4 Occupied Channel Bandwidth

|                   |                                                                                                                                                                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | ETSI EN 300 328 clause 4.3.2.7                                                                                                                                                                                                                                                                               |
| Limit:            | The Occupied Channel Bandwidth for each hopping frequency shall fall completely within the band 2400MHz ~ 2483.5MHz.<br>In addition, for non-adaptive equipment using wide band modulations other than FHSS and with e.i.r.p. greater than 10 dBm, the occupied channel bandwidth shall be less than 20 MHz. |
| Test setup:       |  <pre> graph LR     SA[Spectrum Analyser] --- A[Attenuator &amp; DC block]     A --- EUT[EUT]     EUT --- PS[Power Supply]             </pre>                                                                              |
| Test Instruments: | See section 6.0                                                                                                                                                                                                                                                                                              |
| Test mode:        | Transmitting mode                                                                                                                                                                                                                                                                                            |

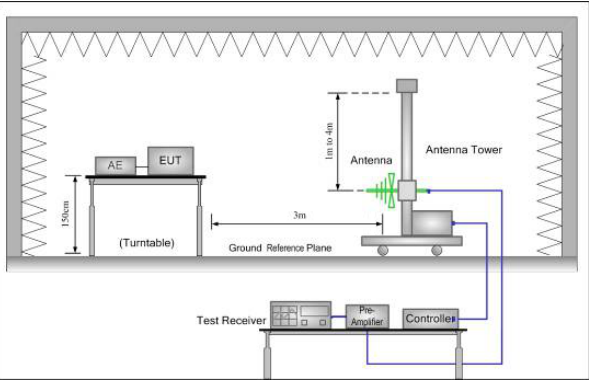
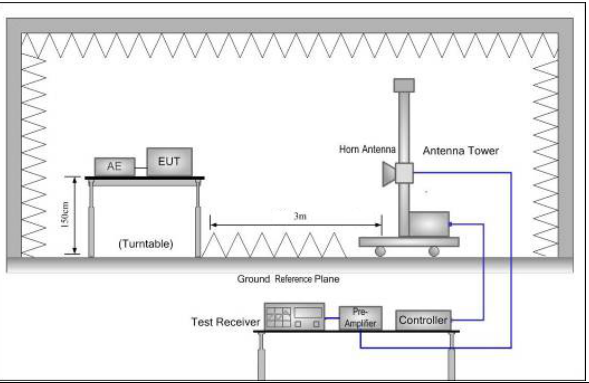
**Measurement Data:** The detailed test data see Appendix for WIFI 2.4G

## 7.2.5 Transmitter unwanted emissions in the OOB domain

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:   | ETSI EN 300 328 clause 4.3.2.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Test Method:        | ETSI EN 300 328 clause 5.4.8.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Limit:              | <p>The transmitter unwanted emissions in the out-of-band domain but outside the allocated band, shall not exceed the values provided by the mask in figure 1</p> <p>Within the band specified in table 1, the Out-of-band emissions are fulfilled by compliance with the Occupied Channel Bandwidth requirement in clause 4.3.1.8.</p>  <p>A: -10 dBm/MHz e.i.r.p.<br/>B: -20 dBm/MHz e.i.r.p.<br/>C: Spurious Domain limits</p> <p>BW = Occupied Channel Bandwidth in MHz or 1 MHz whichever is greater</p> |
| Test setup:         |  <p>Spectrum Analyser</p> <p>Attenuator &amp; DC block</p> <p>EUT</p> <p>Power Supply</p>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Measurement Record: | Uncertainty: $\pm 1.5\text{dB}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Test Instruments:   | See section 6.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Test mode:          | Transmitting mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test results:       | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**Measurement Data:** The detailed test data see Appendix for WIFI 2.4G

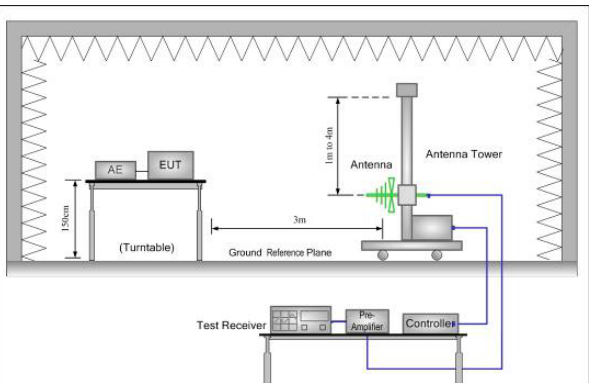
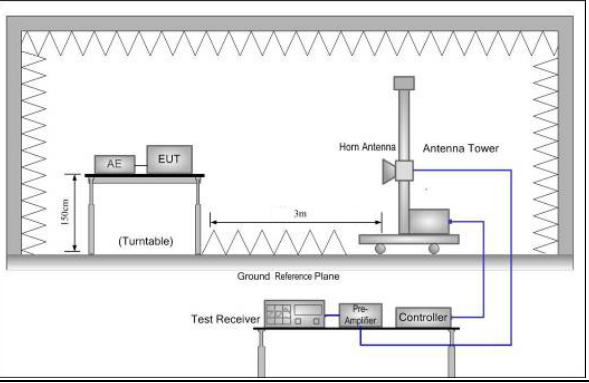
## 7.2.6 Transmitter unwanted emissions in the spurious domain

|                       |                                                                                                                                                                                                               |                                                                  |           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|
| Test Requirement:     | ETSI EN 300 328 clause 4.3.2.9                                                                                                                                                                                |                                                                  |           |
| Test Method:          | ETSI EN 300 328 clause 5.4.9.2                                                                                                                                                                                |                                                                  |           |
| Limit:                | Frequency Range                                                                                                                                                                                               | Maximum power<br>e.r.p. ( $\leq 1$ GHz)<br>e.i.r.p. ( $> 1$ GHz) | Bandwidth |
|                       | 30 MHz to 47 MHz                                                                                                                                                                                              | -36 dBm                                                          | 100 kHz   |
|                       | 47 MHz to 74 MHz                                                                                                                                                                                              | -54 dBm                                                          | 100 kHz   |
|                       | 74 MHz to 87.5 MHz                                                                                                                                                                                            | -36 dBm                                                          | 100 kHz   |
|                       | 87.5 MHz to 118 MHz                                                                                                                                                                                           | -54 dBm                                                          | 100 kHz   |
|                       | 118 MHz to 174 MHz                                                                                                                                                                                            | -36 dBm                                                          | 100 kHz   |
|                       | 174 MHz to 230 MHz                                                                                                                                                                                            | -54 dBm                                                          | 100 kHz   |
|                       | 230 MHz to 470 MHz                                                                                                                                                                                            | -36 dBm                                                          | 100 kHz   |
|                       | 470 MHz to 694 MHz                                                                                                                                                                                            | -54 dBm                                                          | 100 kHz   |
|                       | 694 MHz to 1 GHz                                                                                                                                                                                              | -36 dBm                                                          | 100 kHz   |
|                       | 1 GHz to 12.75 GHz                                                                                                                                                                                            | -30 dBm                                                          | 1 MHz     |
| Test Frequency range: | 30MHz to 12.75GHz                                                                                                                                                                                             |                                                                  |           |
| Test setup:           | <p>Below 1GHz</p>  <p>Above 1GHz</p>  |                                                                  |           |
| Measurement Record:   | Uncertainty: 4.64dB                                                                                                                                                                                           |                                                                  |           |
| Test Instruments:     | See section 6.0                                                                                                                                                                                               |                                                                  |           |
| Test mode:            | Transmitting mode                                                                                                                                                                                             |                                                                  |           |

**Measurement Data:** The detailed test data see Appendix for WIFI 2.4G

## 7.3 Receiver Requirement

### 7.3.1 Spurious Emissions

|                       |                                                                                                                                                                                                              |                                                                  |                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------|
| Test Requirement:     | ETSI EN 300 328 clause 4.3.2.10                                                                                                                                                                              |                                                                  |                          |
| Test Method:          | ETSI EN 300 328 clause 5.4.10.2                                                                                                                                                                              |                                                                  |                          |
| Limit:                | Frequency                                                                                                                                                                                                    | Maximum power<br>e.r.p. ( $\leq 1$ GHz)<br>e.i.r.p. ( $> 1$ GHz) | Measurement<br>bandwidth |
|                       | 30MHz to 1000 MHz                                                                                                                                                                                            | -57 dBm                                                          | 100 kHz                  |
|                       | 1GHz to 12.75GHz                                                                                                                                                                                             | -47 dBm                                                          | 1 MHz                    |
| Test Frequency range: | 30MHz to 12.75GHz                                                                                                                                                                                            |                                                                  |                          |
| Test setup:           | <p>Below 1GHz</p>  <p>Above 1GHz</p>  |                                                                  |                          |
| Measurement Record:   | Uncertainty: 4.64dB                                                                                                                                                                                          |                                                                  |                          |
| Test mode:            | Receiving mode                                                                                                                                                                                               |                                                                  |                          |
| Test Instruments:     | See section 6.0                                                                                                                                                                                              |                                                                  |                          |

**Measurement Data:** The detailed test data see Appendix for WIFI 2.4G

## 7.3.2 Receiver Blocking

| Test Requirement:                                                                                                                                   | ETSI EN 300 328 clause 4.3.2.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                             |                                 |                                             |                         |                                                                                                         |                |     |    |                                                                                                         |                                                    |                                                                             |                                 |                                             |                         |                                                                                                                                                     |                                  |     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------|---------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------|----------------|-----|----|---------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------|---------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----|----|
| Test Method:                                                                                                                                        | ETSI EN 300 328 clause 5.4.11.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                             |                                 |                                             |                         |                                                                                                         |                |     |    |                                                                                                         |                                                    |                                                                             |                                 |                                             |                         |                                                                                                                                                     |                                  |     |    |
| Limit:                                                                                                                                              | <p>While maintaining the minimum performance criteria as defined in clause 4.3.1.12.3, the blocking levels at specified frequency offsets shall be equal to or greater than the limits defined for the applicable receiver category provided in table 6, table 7 or table 8.</p> <p><b>Table 6: Receiver Blocking parameters for Receiver Category 1 equipment</b></p> <table><tr><th>Wanted signal mean power from companion device (dBm)<br/>(see notes 1 and 4)</th><th>Blocking signal frequency (MHz)</th><th>Blocking signal power (dBm)<br/>(see note 4)</th><th>Type of blocking signal</th></tr><tr><td><math>(-133 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))</math><br/>or -68 dBm whichever is less<br/>(see note 2)</td><td>2 380<br/>2 504</td><td rowspan="2">-34</td><td rowspan="2">CW</td></tr><tr><td><math>(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))</math><br/>or -74 dBm whichever is less<br/>(see note 3)</td><td>2 300<br/>2 330<br/>2 360<br/>2 524<br/>2 584<br/>2 674</td></tr></table> <p>NOTE 1: OCBW is in Hz.<br/>NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to <math>P_{\min} + 26 \text{ dB}</math> where <math>P_{\min}</math> is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.<br/>NOTE 3: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to <math>P_{\min} + 20 \text{ dB}</math> where <math>P_{\min}</math> is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.<br/>NOTE 4: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.</p> <p><b>Table 7: Receiver Blocking parameters receiver Category 2 equipment</b></p> <table><tr><th>Wanted signal mean power from companion device (dBm)<br/>(see notes 1 and 3)</th><th>Blocking signal frequency (MHz)</th><th>Blocking signal power (dBm)<br/>(see note 3)</th><th>Type of blocking signal</th></tr><tr><td><math>(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 10 \text{ dB})</math><br/>or <math>(-74 \text{ dBm} + 10 \text{ dB})</math> whichever is less<br/>(see note 2)</td><td>2 380<br/>2 504<br/>2 300<br/>2 584</td><td>-34</td><td>CW</td></tr></table> <p>NOTE 1: OCBW is in Hz.<br/>NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to <math>P_{\min} + 26 \text{ dB}</math> where <math>P_{\min}</math> is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.<br/>NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.</p> | Wanted signal mean power from companion device (dBm)<br>(see notes 1 and 4) | Blocking signal frequency (MHz) | Blocking signal power (dBm)<br>(see note 4) | Type of blocking signal | $(-133 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))$<br>or -68 dBm whichever is less<br>(see note 2) | 2 380<br>2 504 | -34 | CW | $(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))$<br>or -74 dBm whichever is less<br>(see note 3) | 2 300<br>2 330<br>2 360<br>2 524<br>2 584<br>2 674 | Wanted signal mean power from companion device (dBm)<br>(see notes 1 and 3) | Blocking signal frequency (MHz) | Blocking signal power (dBm)<br>(see note 3) | Type of blocking signal | $(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 10 \text{ dB})$<br>or $(-74 \text{ dBm} + 10 \text{ dB})$ whichever is less<br>(see note 2) | 2 380<br>2 504<br>2 300<br>2 584 | -34 | CW |
| Wanted signal mean power from companion device (dBm)<br>(see notes 1 and 4)                                                                         | Blocking signal frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Blocking signal power (dBm)<br>(see note 4)                                 | Type of blocking signal         |                                             |                         |                                                                                                         |                |     |    |                                                                                                         |                                                    |                                                                             |                                 |                                             |                         |                                                                                                                                                     |                                  |     |    |
| $(-133 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))$<br>or -68 dBm whichever is less<br>(see note 2)                                             | 2 380<br>2 504                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -34                                                                         | CW                              |                                             |                         |                                                                                                         |                |     |    |                                                                                                         |                                                    |                                                                             |                                 |                                             |                         |                                                                                                                                                     |                                  |     |    |
| $(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))$<br>or -74 dBm whichever is less<br>(see note 3)                                             | 2 300<br>2 330<br>2 360<br>2 524<br>2 584<br>2 674                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                             |                                 |                                             |                         |                                                                                                         |                |     |    |                                                                                                         |                                                    |                                                                             |                                 |                                             |                         |                                                                                                                                                     |                                  |     |    |
| Wanted signal mean power from companion device (dBm)<br>(see notes 1 and 3)                                                                         | Blocking signal frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Blocking signal power (dBm)<br>(see note 3)                                 | Type of blocking signal         |                                             |                         |                                                                                                         |                |     |    |                                                                                                         |                                                    |                                                                             |                                 |                                             |                         |                                                                                                                                                     |                                  |     |    |
| $(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 10 \text{ dB})$<br>or $(-74 \text{ dBm} + 10 \text{ dB})$ whichever is less<br>(see note 2) | 2 380<br>2 504<br>2 300<br>2 584                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -34                                                                         | CW                              |                                             |                         |                                                                                                         |                |     |    |                                                                                                         |                                                    |                                                                             |                                 |                                             |                         |                                                                                                                                                     |                                  |     |    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <table><tr><th colspan="4">Table 8: Receiver Blocking parameters receiver Category 3 equipment</th></tr><tr><th>Wanted signal mean power from companion device (dBm)<br/>(see notes 1 and 3)</th><th>Blocking signal frequency (MHz)</th><th>Blocking signal power (dBm)<br/>(see note 3)</th><th>Type of blocking signal</th></tr><tr><td>(-139 dBm + 10 × log<sub>10</sub>(OCBW) + 20 dB)<br/>or (-74 dBm + 20 dB) whichever is less<br/>(see note 2)</td><td>2 380<br/>2 504<br/>2 300<br/>2 584</td><td>-34</td><td>CW</td></tr><tr><td colspan="4">NOTE 1: OCBW is in Hz.<br/>NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative the test may be performed using a wanted signal up to P<sub>min</sub> + 30 dB where P<sub>min</sub> is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.<br/>NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.</td></tr></table> | Table 8: Receiver Blocking parameters receiver Category 3 equipment |                         |  |  | Wanted signal mean power from companion device (dBm)<br>(see notes 1 and 3) | Blocking signal frequency (MHz) | Blocking signal power (dBm)<br>(see note 3) | Type of blocking signal | (-139 dBm + 10 × log <sub>10</sub> (OCBW) + 20 dB)<br>or (-74 dBm + 20 dB) whichever is less<br>(see note 2) | 2 380<br>2 504<br>2 300<br>2 584 | -34 | CW | NOTE 1: OCBW is in Hz.<br>NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative the test may be performed using a wanted signal up to P <sub>min</sub> + 30 dB where P <sub>min</sub> is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.<br>NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2. |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------|--|--|-----------------------------------------------------------------------------|---------------------------------|---------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------|-----|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Table 8: Receiver Blocking parameters receiver Category 3 equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                     |                         |  |  |                                                                             |                                 |                                             |                         |                                                                                                              |                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| Wanted signal mean power from companion device (dBm)<br>(see notes 1 and 3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Blocking signal frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Blocking signal power (dBm)<br>(see note 3)                         | Type of blocking signal |  |  |                                                                             |                                 |                                             |                         |                                                                                                              |                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| (-139 dBm + 10 × log <sub>10</sub> (OCBW) + 20 dB)<br>or (-74 dBm + 20 dB) whichever is less<br>(see note 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 380<br>2 504<br>2 300<br>2 584                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -34                                                                 | CW                      |  |  |                                                                             |                                 |                                             |                         |                                                                                                              |                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| NOTE 1: OCBW is in Hz.<br>NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative the test may be performed using a wanted signal up to P <sub>min</sub> + 30 dB where P <sub>min</sub> is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.<br>NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                     |                         |  |  |                                                                             |                                 |                                             |                         |                                                                                                              |                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| Test setup:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <pre>graph LR     SUCD[Signalling Unit or Companion Device] &lt;--&gt; ATT1[ATT.]     BSS[Blocking Signal Source] --&gt; ATT1     ATT1 --&gt; SC[Splitter/Combiner]     SC --&gt; DC[Direct Coupler]     DC --&gt; SA[Spectrum Analyzer]     DC --&gt; ATT2[ATT.]     ATT2 --&gt; UUT[UUT]     UUT --&gt; PMD[Performance Monitoring Device]</pre> <p>Variable attenuator step size ≤ 1 dB</p> <p>Optional</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                     |                         |  |  |                                                                             |                                 |                                             |                         |                                                                                                              |                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| Measurement Record:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Uncertainty: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |                         |  |  |                                                                             |                                 |                                             |                         |                                                                                                              |                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| Test Instruments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | See section 6.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                     |                         |  |  |                                                                             |                                 |                                             |                         |                                                                                                              |                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| Test mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Normal link mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |                         |  |  |                                                                             |                                 |                                             |                         |                                                                                                              |                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |

**Measurement Data:** The detailed test data see Appendix for WIFI 2.4G

## 8 Test setup photo

Reference to the **appendix I** for details.

## 9 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----